

CLAIMS

1. A microelectronic package comprising:
a housing comprising an outer wall cylindrical about an axis and an inner wall defining a central compartment, said inner wall comprising at least one assembly support surface that is parallel to the axis, said housing further comprising at least one axial channel interposed between the outer wall and the inner wall; and
a microelectronic assembly affixed to the assembly support surface.
2. The microelectronic package of claim 1 wherein the inner wall is non-concentric with the outer wall.
3. The microelectronic package of claim 1 wherein the support surface is planar.
4. The microelectronic package of claim 1 wherein the inner wall comprises first and second assembly support surfaces that are planar and parallel to the axis, and wherein the microelectronic package comprises a first microelectronic assembly affixed to the first assembly support surface, a second microelectronic assembly affixed to the second assembly support surface, and a flexible interconnect connecting the first microelectronic assembly and the second microelectronic assembly.
5. The microelectronic package of claim 1 wherein the channel is adapted for conveying cooling gas through the housing.

6. The microelectronic package of claim 1 wherein the housing comprises a first section having first axial edges and a second section having second axial edges joined to the first axial edges.

7. The microelectronic package of claim 6 wherein the first section comprises a semi-cylindrical wall and wherein the second section comprises a semi-cylindrical wall.

8. The microelectronic package of claim 1 wherein the housing is formed by a metal extrusion.

9. The microelectronic package of claim 1 wherein the housing is formed of a metal casting.

10. The microelectronic package of claim 1 wherein the housing is received in a tubular casing.

11. The microelectronic package of claim 1 wherein the support surface is a curve having a radius of curvature less than the radius of the outer wall.